REMARKS

The specification is amended at page 14, line 15 to add the following sentence: "the organoborane amine complex can be present in an amount of about 1 to 8 percent by weight." This is supported in Claim 8 as originally filed. Therefore, there is basis for this amendment, and no new matter is introduced. This amendment is offered after Final in view of the new rejection of the Examiner and simplifies issues for an Appeal should an Appeal be necessary. Therefore, this amendment is proper.

Rejection 35 USC§112

Claims 1-3, 6-19 are rejected under 35 USC§112 first paragraph as failing to comply with the written description requirement. Applicants traverse this rejection for the reasons stated hereinafter and respectfully request withdrawal of the rejection.

Arguments 35 USC§112 Rejection

First, Applicants' attorney apologizes to the Examiner for failing to specifically point out support for the amounts of the components added to the claims in the previous amendment. The recited amounts added to the claims in the previous amendment are supported in the specification. The amount of Lewis Acid catalysts which may be added for initiation of polymerization of the heterocyclic moiety containing compounds is supported in the specification at page 20, lines 26 to page 21, line 2. The amount of heterocyclic polymerizable compound which may be added to the composition is supported at page 18, lines 18-23. Relative to the requirement that the two-part polymerizable composition comprise about 1 to about 8 percent by weight of an organoborane amine complex is supported in Claim 8 as originally filed. The written description at page 14, line 15 is amended to add the statement that the organoborane amine complex can be present in an amount of about 1 to 8 percent by weight. Support for that amendment is found in Claim 8 as originally filed. Therefore, as a result of the amendment to the specification and references to the specification as originally filed, it is clearer that the written description does support the claims as presently presented and the Rejection under 35 USC§112, Paragraph 1 must be withdrawn.

Rejection Under 35USC§102(e)

Claims 1-3, 6-19 are rejected under 35 USC§102 as being anticipated by Sonnenschein et al., U.S. 6,706,831 or U.S. 6,710,145. Applicants traverse this rejection for the reasons stated hereinafter and respectfully request withdrawal of the rejection for the reasons stated hereinafter.

Argument 35 USC§102(e) Rejection

Claims 1-3 and 6-10 relate to two-part polymerizable compositions wherein one part comprises 1 to about 8 percent by weight of an organoborane amine complex and about 10 to about 50 percent of one or more compounds containing at least one heterocyclic ring opening moiety. The second part requires about 0.1 to about 10 percent by weight of a Lewis Acid catalyst capable of initiating polymerization of the compounds containing heterocyclic ring opening functionality, and further contains compounds capable of free radical polymerization. The heteroatom on the heterocylic ring opening compound is nitrogen or sulfur. The specification points out that the polymerizable formulation contains a sufficient amount of heterocyclic ring opening polymerizable compound to improve the glass transition temperature of the polymerizable formulation. This passage also indicates that most preferably there is 10 percent by weight or greater of such compound and preferably about 50 percent by weight or less of such compound. See the specification page 18, lines 13 to 23. The Sonnenschein references cited do not disclose a two-part polymerizable composition containing the four components recited in Claim 1 and the dependent Claims 2-3 and 6-10. There is no reference to in the Sonnenschein references to adding separately compounds having heterocyclic ring opening moieties. All the passages specifically cited in the Sonnenschein references specifically teach organoborane amine complexes wherein some of the complexes may contain heterocyclic compounds. Furthermore, there is no discussion in the Sonnenschein references relative to the issue of whether the amines having heterocyclic ring compounds complex with the organoborane are or can be polymerizable. Nor is there any teaching or suggestion in the Sonnenschein references which suggest adding a sufficient amount of a heterocylic ring opening moiety containing compound to improve the thermal properties of the resulting polymerized compound. Nor is there any disclosure of using from 10 to 50 percent by weight of such compounds. In view of the fact that the Sonnenschein references do not disclose a polymerizable composition which separately contains polymerizable heterocylic ring opening compounds wherein the heteroatom is nitrogen or sulfur, nor discloses that the amount of such compound can be from about 10 to about 50 percent by weight of the composition, the claims are novel. Furthermore, because the reference contains no teaching or suggestions to add those compounds or that the addition of those compounds can improve the thermal properties of the resulting polymerized composition, no case of *prima facie* obviousness is made out and the claims are patentable over the cited references.

Furthermore, the Sonnenschein references do not disclose the use of a difunctional compound capable of reacting with compounds containing both heterocyclic ring opening moiety and compounds capable of free radical polymerization, as claimed in Claim 7. Therefore, Claim 7 is also separately patentable over the teachings of Sonnenschein. Furthermore, the references do not disclose the amount of difunctional compound being from about 1 to about 50 percent by weight as required by Claim 8.

Relative to Claims 11-19, these claims relate to the use of the novel compounds as described hereinbefore and by virtue of the novelty and unobviousness of the compositions as defined by Claim 1, these use claims are also novel and unobvious.

Applicants therefore assert that the claims are novel and unobvious and request withdrawal of the Rejection Under 35 USC§102(e).

Relative to the citation of the passage at page 24, lines 1-5 of the specification, this passage discloses the separate addition of an aziridine compound solely for the purpose of stabilizing the composition. An aziridine compound does meet the requirements being a heterocylic ring opening compound, but the passage indicates that aziridine could be added separately from other heterocylic ring opening compounds and may be used solely for the purpose of stabilizing the composition to prevent unwanted polymerization before desired.

Applicants hereby solicit withdrawal of the rejections and early allowance of Claims 1-3 and 6-19 for the reasons stated hereinbefore.

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